Performance Data Sheet

AED1413ZHZ

General Information

Model	AED1413ZHZ	**Refrigerant**	R-404A
Test Condition	Tecumseh Europe	**Performance Test Voltage**	220V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-40	Watts (Capacity)	202	170	108	33.4
	Watts (Power)	413	333	255	177
	Amps	3.20	3.01	2.80	2.60
-35	Watts (Capacity)	336	297	229	151
	Watts (Power)	437	380	326	272
	Amps	3.17	3.08	2.96	2.84
-30	Watts (Capacity)	488	440	366	285
	Watts (Power)	465	431	399	368
	Amps	3.21	3.20	3.16	3.12
-25	Watts (Capacity)	656	600	521	435
	Watts (Power)	498	485	474	463
	Amps	3.32	3.37	3.40	3.43
-23.3	Watts (Capacity)	717	659	577	490
	Watts (Power)	510	504	500	496
	Amps	3.37	3.44	3.49	3.54
-20	Watts (Capacity)	842	778	692	603
	Watts (Power)	535	542	550	559
	Amps	3.48	3.60	3.68	3.77
-15	Watts (Capacity)	1040	972	880	787
	Watts (Power)	576	601	628	655
	Amps	3.71	3.87	4.01	4.14
-10	Watts (Capacity)	1260	1180	1090	988
	Watts (Power)	621	664	707	751
	Amps	3.99	4.20	4.37	4.54

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.798700E+03	5.354347E+02	3.431088E+00	
C2	6.053852E+01	2.848518E+00	7.843006E-02	
C3	8.477281E+00	5.278822E+00	6.494552E-02	
C4	3.493370E-01	1.638456E-01	1.847338E-03	
C5	-3.348231E-01	2.803371E-01	3.734040E-04	
C6	-4.202124E-01	4.350307E-02	-8.617890E-04	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	-2.350780E-04	-2.647477E-03	-2.036120E-05	
C9	2.260000E-03	-8.240000E-05	-1.280000E-06	
C10	2.990000E-03	-2.990000E-04	5.640000E-06	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature